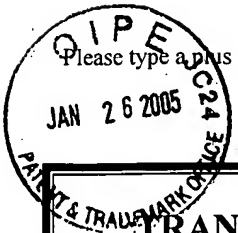


AF 2110



PTO/SB/21
OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

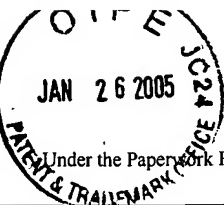
| | | | |
|--|--|-------------------------------|-----------------------------|
| TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i> | | Application Number | 10/660,308 |
| | | Filing Date | 09/10/2003 |
| | | First Named Inventor | Antonio M. Goncalves |
| | | Group Art Unit | 1753 |
| | | Examiner Name | A. Noguerola |
| Total Number of Pages in This Submission | | Attorney Docket Number | 6056-316CT1 (189230) |

| ENCLOSURES (check all that apply) | | |
|--|--|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Drawing(s) – Figs. | <input type="checkbox"/> After Allowance Communication to TC |
| <input checked="" type="checkbox"/> Amendment/Reply <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Petition | <input type="checkbox"/> Appeal Communication to TC <i>(Appeal Notice, Brief, Reply Brief)</i> |
| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Information Disclosure Statement | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address | <input type="checkbox"/> Status Letter |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | <input type="checkbox"/> Terminal Disclaimer | <input type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i> |
| <input type="checkbox"/> Response to Missing Parts/Incomplete Application | <input type="checkbox"/> Request for Refund | |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> CD, Number of CD(s) <input type="checkbox"/> Landscape Table on CD | |
| Remarks: | | |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | |
|---|---|
| Firm Name | Drinker Biddle & Reath LLP |
| Signature | |
| Printed Name | Robert E. Cannuscio, Reg. No. 36,469 |
| Date | January 24, 2005 |

| CERTIFICATE OF MAILING UNDER 37 CFR 1.8 | | |
|--|------------------------------|-------------------------------|
| I hereby certify that this paper, along with any documents referred to as being enclosed therewith, is being deposited with the United States Postal Service in an envelope addressed to U.S. Patent Office, Assistant Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: January 24, 2005. | | |
| Typed or printed name | Michelle D. Sebastian | |
| Signature | | Date: January 24, 2005 |

JAN 26 2005



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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

FEE TRANSMITTAL for FY 2005

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$0.00)

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account:

Deposit Account Number 50-0573

Deposit Account Name Drinker Biddle & Reath LLP

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee required under 37 CFR 1.16 and 1.17

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

EXTRA CLAIMS FEES FOR UTILITY AND REISSUE

Total Claims 104 -109** = 0 X * = \$0

Independent Claims 18 - 21** = 0 X * = \$0

Multiple Independent + 360/180 = \$0

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee Code | Fee Description |
|----------------|-----------------|----------------|-----------------|---|
| 1202 | 50 | 2202 | 25 | Claims in excess of 20 |
| 1201 | 200 | 2201 | 100 | Independent claims in excess of 3 |
| 1203 | 360 | 2203 | 180 | Multiple dependent claim, if not paid |
| 1204 | 200 | 2204 | 100 | **Reissue independent claims over original patent |
| 1205 | 50 | 2205 | 25 | **Reissue claims in excess of 20 and over original patent |

**or number previously paid, if greater; For Reissue, see above

Complete if known

| | |
|----------------------|-----------------------|
| Application Number | 10/660,308 |
| Filing Date | 09/10/2003 |
| First Named Inventor | Antonio M. Goncalves |
| Examiner Name | A. Noguerola |
| Art Unit | 1753 |
| Attorney Docket No. | 6056-316 CT1 (189230) |

FEE CALCULATION (continued)

ADDITIONAL FEES

| Fee Code | Large Entity Fee (\$) | Fee Code | Small Entity Fee (\$) | Fee Description | Fee Paid |
|---------------------|-----------------------|----------|-----------------------|--|----------|
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath | |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 | 130 | 1053 | 130 | Non-English specification | |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for <i>ex parte</i> reexamination | |
| 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action | |
| 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action | |
| 1251 | 120 | 2251 | 60 | Extension for reply within first month | |
| 1252 | 450 | 2252 | 225 | Extension for reply within second month | |
| 1253 | 1,020 | 2253 | 510 | Extension for reply within third month | |
| 1254 | 1,590 | 2254 | 795 | Extension for reply within fourth month | |
| 1255 | 2,160 | 2255 | 1,080 | Extension for reply within fifth month | |
| 1401 | 500 | 2401 | 250 | Notice of Appeal | |
| 1402 | 500 | 2402 | 250 | Filing a brief in support of an appeal | |
| 1403 | 1,000 | 2403 | 500 | Request for oral hearing | |
| 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding | |
| 1452 | 500 | 2452 | 250 | Petition to revive - unavoidable | |
| 1453 | 1,500 | 2453 | 750 | Petition to revive - unintentional | |
| 1501 | 1,400 | 2501 | 700 | Utility issue fee (or reissue) | |
| 1503 | 1,100 | 2503 | 550 | Plant issue fee | |
| 1462 | 400 | 1462 | 400 | Petition to the Commissioner - Group I | |
| 1463 | 200 | 1463 | 200 | Petition to the Commissioner - Group II | |
| 1464 | 130 | 1464 | 130 | Petition to the Commissioner - Group III | |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) | |
| 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt | |
| 1810 | 790 | 2810 | 395 | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 1801 | 790 | 2801 | 395 | Request for Continued Examination (RCE) | |
| 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application | |
| Other fee (specify) | | | | | |

SUBMITTED BY CUSTOMER NO. 23973

Complete (if applicable)

| | | | | | |
|-------------------|---------------------|-----------------------------------|------------------|-----------|----------------|
| Name (Print/Type) | Robert E. Cannuscio | Registration No. (Attorney/Agent) | 36,469 | Telephone | (215) 988.2700 |
| Signature | | Date | January 24, 2005 | | |



**RESPONSE UNDER 37 CFR 1.116 EXPEDITED PROCEDURE
EXAMINING GROUP 1753**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Patent Application of Antonio M. Goncalves

Serial No. 10/660,308

Filed: September 10, 2003

For: Automated System for High-Throughput Electrophoretic Separations

Attorney Docket: 6056-316 CT1 (189230)

Group Art Unit: 1753

Examiner: Alexander Noguera

Customer No. 23973

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Director for Patents
P.O. Box 1450, Alexandria, VA 22313-1450, on

January 24, 2005

Date of Deposit

Michelle D. Sebastian

Name

Signature

1/24/05

Date

RESPONSE TO FINAL OFFICE ACTION

Mail Stop AF

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

This is in response to the Office Action mailed on October 25, 2004 in the above-referenced application. This response is being filed within the three month period set for response in the action. No fee should be due for entry of this response. However, if any fee is determined to be due, please charge such fee and credit any overpayment to Deposit Account No. 50-0573.

Amendments to the Claims begin on page 2.

Remarks begin on page 27.